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Reviewer: Durreshwar Anjum

Timestamp: [year=2010; month=9; day=20; hr=13; min=2; sec=31; ms=185;]

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Application No:	10578449	Version No:	1.0
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Output Set:

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Finished:	2010-09-14 14:53:22.427
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No. of SeqIDs Defined:	1
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SEQUENCE LISTING

<110> ProThera Biologics
 Lim, Yow-Pin
 Josic, Djuro
 Hixson, Douglas C.

<120> Preparation And Composition of Inter-Alpha Inhibitor Proteins
 From Human Plasma For Therapeutic Use

<130> 61959US(51580)

<140> 10578449
 <141> 2010-09-14

<150> PCT/US04/36848
 <151> 2004-11-05

<150> 60/617,166
 <151> 2004-10-08

<150> 60/518,366
 <151> 2003-11-08

<160> 1

<170> PatentIn version 3.5

<210> 1
 <211> 930
 <212> PRT
 <213> Homo sapiens

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Ile Asp Ile Tyr Ser Leu Thr Val Asp Ser Arg Val Ser Ser Arg Phe
 35 40 45

Ala His Thr Val Val Thr Ser Arg Val Val Asn Arg Ala Asn Thr Val
 50 55 60

Gln Glu Ala Thr Phe Gln Met Glu Leu Pro Lys Lys Ala Phe Ile Thr
 65 70 75 80

Asn Phe Ser Met Asn Ile Asp Gly Met Thr Tyr Pro Gly Ile Ile Lys

			85					90						95			
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			100					105						110			
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		115					120					125					
Gln	Val	Ser	Val	Ser	Val	Ala	Pro	Asn	Ala	Lys	Ile	Thr	Phe	Glu	Leu		
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Val	Tyr	Glu	Glu	Leu	Leu	Lys	Arg	Arg	Leu	Gly	Val	Tyr	Glu	Leu	Leu		
145				150						155					160		
Leu	Lys	Val	Arg	Pro	Gln	Gln	Leu	Val	Lys	His	Leu	Gln	Met	Asp	Ile		
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His	Ile	Phe	Glu	Pro	Gln	Gly	Ile	Ser	Phe	Leu	Glu	Thr	Glu	Ser	Thr		
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Phe	Met	Thr	Asn	Gln	Leu	Val	Asp	Ala	Leu	Thr	Thr	Trp	Gln	Asn	Lys		
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Thr	Lys	Ala	His	Ile	Arg	Phe	Lys	Pro	Thr	Leu	Ser	Gln	Gln	Gln	Lys		
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Ser	Pro	Glu	Gln	Gln	Glu	Thr	Val	Leu	Asp	Gly	Asn	Leu	Ile	Ile	Arg		
225				230						235				240			
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			245					250					255				
Gly	Tyr	Phe	Val	His	Tyr	Phe	Ala	Pro	Glu	Gly	Leu	Thr	Thr	Met	Pro		
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Lys	Asn	Val	Val	Phe	Val	Ile	Asp	Lys	Ser	Gly	Ser	Met	Ser	Gly	Arg		
	275					280						285					
Lys	Ile	Gln	Gln	Thr	Arg	Glu	Ala	Leu	Ile	Lys	Ile	Leu	Asp	Asp	Leu		
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Ala Arg Ser Phe Ala Ala Gly Ile Gln Ala Leu Gly Gly Thr Asn Ile
340 345 350

Asn Asp Ala Met Leu Met Ala Val Gln Leu Leu Asp Ser Ser Asn Gln
355 360 365

Glu Glu Arg Leu Pro Glu Gly Ser Val Ser Leu Ile Ile Leu Leu Thr
370 375 380

Asp Gly Asp Pro Thr Val Gly Glu Thr Asn Pro Arg Ser Ile Gln Asn
385 390 395 400

Asn Val Arg Glu Ala Val Ser Gly Arg Tyr Ser Leu Phe Cys Leu Gly
405 410 415

Phe Gly Phe Asp Val Ser Tyr Ala Phe Leu Glu Lys Leu Ala Leu Asp
420 425 430

Asn Gly Gly Leu Ala Arg Arg Ile His Glu Asp Ser Asp Ser Ala Leu
435 440 445

Gln Leu Gln Asp Phe Tyr Gln Glu Val Ala Asn Pro Leu Leu Thr Ala
450 455 460

Val Thr Phe Glu Tyr Pro Ser Asn Ala Val Glu Glu Val Thr Gln Asn
465 470 475 480

Asn Phe Arg Leu Leu Phe Lys Gly Ser Glu Met Val Val Ala Gly Lys
485 490 495

Leu Gln Asp Arg Gly Pro Asp Val Leu Thr Ala Thr Val Ser Gly Lys
500 505 510

Leu Pro Thr Gln Asn Ile Thr Phe Gln Thr Glu Ser Ser Val Ala Glu
515 520 525

Gln Glu Ala Glu Phe Gln Ser Pro Lys Tyr Ile Phe His Asn Phe Met
530 535 540

Glu	Arg	Leu	Trp	Ala	Tyr	Leu	Thr	Ile	Gln	Gln	Leu	Leu	Glu	Gln	Thr
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Val	Ser	Ala	Ser	Asp	Ala	Asp	Gln	Gln	Ala	Leu	Arg	Asn	Gln	Ala	Leu
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	610					615						620			
Phe	Lys	Tyr	Tyr	Leu	Gln	Gly	Ala	Lys	Ile	Pro	Lys	Pro	Glu	Ala	Ser
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Phe	Ser	Pro	Arg	Arg	Gly	Trp	Asn	Arg	Gln	Ala	Gly	Ala	Ala	Gly	Ser
				645					650					655	
Arg	Met	Asn	Phe	Arg	Pro	Gly	Val	Leu	Ser	Ser	Arg	Gln	Leu	Gly	Leu
			660					665					670		
Pro	Gly	Pro	Pro	Asp	Val	Pro	Asp	His	Ala	Ala	Tyr	His	Pro	Phe	Arg
		675					680					685			
Arg	Leu	Ala	Ile	Leu	Pro	Ala	Ser	Ala	Pro	Pro	Ala	Thr	Ser	Asn	Pro
	690					695					700				
Asp	Pro	Ala	Tyr	Ser	Arg	Val	Met	Asn	Met	Lys	Ile	Glu	Glu	Thr	Thr
705					710					715					720
Met	Thr	Thr	Gln	Thr	Pro	Ala	Pro	Ile	Gln	Ala	Pro	Ser	Ala	Ile	Leu
			725						730					735	
Pro	Leu	Pro	Gly	Gln	Ser	Val	Glu	Arg	Leu	Cys	Val	Asp	Pro	Arg	His
			740					745					750		
Arg	Gln	Gly	Pro	Val	Asn	Leu	Leu	Ser	Asp	Pro	Glu	Gln	Gly	Val	Glu
		755					760					765			

Val Thr Gly Gln Tyr Glu Arg Glu Lys Ala Gly Phe Ser Trp Ile Glu
770 775 780

Val Thr Phe Lys Asn Pro Leu Val Trp Val His Ala Ser Pro Glu His
785 790 795 800

Val Val Val Thr Arg Asn Arg Arg Ser Ser Ala Tyr Lys Trp Lys Glu
805 810 815

Thr Leu Phe Ser Val Met Pro Gly Leu Lys Met Thr Met Asp Lys Thr
820 825 830

Gly Leu Leu Leu Leu Ser Asp Pro Asp Lys Val Thr Ile Gly Leu Leu
835 840 845

Phe Trp Asp Gly Arg Gly Glu Gly Leu Arg Leu Leu Leu Arg Asp Thr
850 855 860

Asp Arg Phe Ser Ser His Val Gly Gly Thr Leu Gly Gln Phe Tyr Gln
865 870 875 880

Glu Val Leu Trp Gly Ser Pro Ala Ala Ser Asp Asp Gly Arg Arg Thr
885 890 895

Leu Arg Val Gln Gly Asn Asp His Ser Ala Thr Arg Glu Arg Arg Leu
900 905 910

Asp Tyr Gln Glu Gly Pro Pro Gly Val Glu Ile Ser Cys Trp Ser Val
915 920 925

Glu Leu
930